

**Amendments to the Claims:**

1 – 30 (Cancelled)

31. (Currently Amended) A culture ~~Culture~~ medium conditioned by MMH cells (c-Met Transgenic Murine Hepatocyte), ~~cytokines and soluble factors released by immortalized untransformed hepatocytes that are differentiated, polarized epithelial cells; said medium being characterized in that it is~~ free from conditioning cells, ~~when used, permitting the for~~ maintenance[[,]] and proliferation and differentiation of adult mammalian cells.

32-33 (Cancelled)

34. (Currently Amended) The culture ~~Culture~~ medium according to claim 31 wherein said ~~cultured~~ mammalian cells are cord-blood stem cells.

35. (Currently Amended) The culture ~~Culture~~ medium according to claim 31 wherein said ~~cultured~~ mammalian cells are non human embryonic stem cells or adult stem cells including human.

36. (Currently Amended) The culture ~~Culture~~ medium according to claim 31 wherein said mammalian cells are endodermal, ectodermal and mesodermal or their adult progenitor and stem cells.

37. (Currently Amended) The culture ~~Culture~~ medium according to claim 31 ~~characterized for~~ further comprising at least one biological molecule selected from the group consisting of proteins, glycoproteins, lipoproteins, carbohydrates, lipids, glycolipids, peptides, antibodies, cytokines, hormones and enzymes.

38. (Currently Amended) The culture ~~Culture~~ medium according to claim 31 further characterized for being depleted for at least one biological molecule selected from the group

consisting of: proteins, glycoproteins, lipoproteins, carbohydrates, lipids, glycolipids, peptides, antibodies, cytokines, hormones and enzymes.

39. (Cancelled)

40. (Currently Amended) The culture ~~Culture~~ medium according to claim 31 in the form of a solid, a lyophilized medium, a powder, a gel, a film, or a freeze-dried compound.

41. (Cancelled)

42. (Currently Amended) A process ~~Process~~ for the preparation ~~production~~ of ~~[[a]]~~ the conditioned culture medium according to claim 1 comprising the steps of incubating MMH cells (c-Met Transgenic Murine Hepatocyte) ~~immortalized-untransformed-hepatocytes that are differentiated, polarized-epithelial-cells~~ in a culture medium for at least 2 hours and separating said hepatocytes from the conditioned culture medium ~~before the use for maintenance, proliferation and differentiation of adult mammalian cells.~~

43. (Currently Amended) The process ~~Process~~ according to claim 42 wherein the separation step is performed by filtration or by centrifugation.

44. (Currently Amended) The process ~~Process~~ according to claim 42 wherein said culture medium is ROSWELL PARK MEMORIAL INSTITUTE (RPMI)<sup>TM</sup> medium, Ham's HAM'S F12<sup>TM</sup> medium, Dulbecco's Modified Eagle's Medium DULBECCO'S MODIFIED EAGLE'S MEDIUM (DMEM)<sup>TM</sup>, RPMI 1640<sup>TM</sup> medium, Iseove's ISCOVE'S MEM (IMEM)<sup>TM</sup>, or MCCOY'S MEM (MMEM)<sup>TM</sup> McCoy's.

45-52 (Cancelled)

53. (Currently Amended) A method ~~Method~~ for growing, expanding, and/or maintaining ~~and/or differentiate~~ isolated adult mammalian cells *in vitro* said method comprising

the step of placing in contact said cells with the culture medium according to claim 31.

54. (Currently Amended) The method ~~Method~~ according to claim 53 wherein said isolated cells are cord-blood stem cells.

55. (Currently Amended) The method ~~Method~~ according to claim 53 wherein said isolated cells are non human embrional stem cells or adult stem cells.

56. (Currently Amended) The method ~~Method~~ according to claim 53 wherein said cells are endodermal, ectodermal, and mesodermal, and their adult progenitor thereof and stem cells.

57. (Currently Amended) The method ~~Method~~ according to claim 53 wherein said cells are NK cells.

58. (Currently Amended) The method ~~Method~~ according to claim 53 wherein said cells are dendritic cells.

59. (Currently Amended) The method ~~Method~~ according to claim 53 wherein said cells are endothelial cells.

60. (Currently Amended) A kit ~~Kit~~ for maintenance, proliferation and differentiation of adult mammalian cells, said kit comprising the culture medium according to claim 31 together with laboratory means for cell culture and instructions for use.